

REMARKS


The amendment to claims merely cancels claims 1, 4-9 and 12-16 to simplify the issues in the application. The amendment does not add any new matter to the disclosure or raise any new issues.

The invention centers on active resistor networks where the non-linearity of a first type of FET providing the resistor behavior is regulated by incorporation of a complementary type FET and by providing separate control signals to these active devices. The invention enables use of active resistor networks in a wider variety of situations.

Ilkbahar discloses an active device termination circuit where having different type FETs in parallel where each FET is connected to a common control signal. At col. 7, line 52, Ilkbahar describes how the devices are being used to set the impedance. At col. 8, line 12, Ilkbahar indicates that the purpose of this arrangement is to adjust the impedance of the pullup or pulldown device by enabling a variable number of transistors or legs. Ilkbahar makes no reference to the issue of non linearity. Ilkbahar is using PFETs controlled by a digital vector to trim the impedance of the NFET 580. Ilkbahar does not disclose or suggest an active resistor network where different FET types are coupled with different control signals.

For the above reasons, applicants submit that the claims are patentable over the prior art of record and that the application is in condition for allowance. Such allowance is earnestly and respectfully solicited.

Respectfully submitted,
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